CLAIMS

What is claimed is:

1   1.   A method comprising:

2   parsing a received index file to extract one or more entries; and

3   selecting at least a subset of the extracted entries to store based at least in part upon both

4   a spacing between the entries in the index file and an amount of memory available for allocation.

1   2.   The method of claim 1, wherein parsing a received index file comprises:

2   parsing a play list received through Universal Plug and Play (UPnP) networked

3   communication.

1   3.   The method of claim 2, further comprising sorting the stored entries.

1   4.   The method of claim 2, wherein parsing the play list to extract entries comprises:

2   parsing the play list to extract Universal Resource Indicators (URI's).

1   5.   The method of claim 4, further comprising issuing a Hyper Text Transfer Protocol

2   (HTTP)-RANGE command to retrieve an URI not stored in the memory.

1   6.   The method of claim 1, wherein selecting at least a subset of the extracted entries to store

2   further comprises:

3   selecting at least a subset of the extracted entries to store without a priori knowledge as to

4   a number of entries within the index file.

1   7.   An electronic appliance, comprising:

2   a network interface to receive an index file; and

3   an index engine coupled with the network interface, the index engine to parse the index

4   file for entries and to select entries to store based at least in part upon both the spacing between

5   the entries in the index file and an amount of memory available for allocation.

1   8.   The electronic appliance of claim 7, wherein the electronic appliance comprises a

2   Universal Plug and Play (UPnP) Audio/Visual (AV) MediaRenderer.

1   9.   The electronic appliance of claim 8, wherein the index file comprises a play list

2   containing Universal Resource Indicators (URI's).

1   10.   The electronic appliance of claim 9, further comprising the index engine to sort the stored

2   entries.

1   11.   The electronic appliance of claim 10, further comprising the index engine to issue a

2   Hyper Text Transfer Protocol (HTTP)-RANGE command to retrieve an URI not stored in the

3   memory.

1   12.   The electronic appliance of claim 7, wherein the index engine to select entries to store

2   further comprises the index engine to select entries to store without a prior knowledge as to a

3   number of entries within the index file.

1   13.   A storage medium comprising content which, when executed by an accessing machine,

2   causes the machine to implement an index agent in the accessing machine, the index agent to

3   receive an index file from a remote location in response to an event associated with a request, the

4   index agent to parse the index file to extract entries, the index agent to select entries to store

5   based at least in part upon both the spacing between the entries in the index file and an allocation

6   of memory, and the index agent to store the selected entries into the memory.

1   14.   The storage medium of claim 13, wherein the content to receive the index file comprises

2   content which, when executed by the accessing machine, causes the accessing machine to

3   receive a play list through Universal Plug and Play (UPnP) networked communication.

1   15.   The storage medium of claim 14, wherein the content to parse the play list to extract

2   entries comprises content which, when executed by the accessing machine, causes the accessing

3   machine to parse the play list to extract Universal Resource Indicators (URI's).

1   16.   The storage medium of claim 15, further comprising content which, when executed by

2   the accessing machine, causes the accessing machine to sort the stored entries.

1   17.   The storage medium of claim 16, further comprising content which, when executed by

2   the accessing machine, causes the accessing machine to issue a Hyper Text Transfer Protocol

3   (HTTP)-RANGE command to retrieve an URI not stored in the memory.

1 18.   The storage medium of claim 13, wherein the content to select entries to store further

2 comprises content which, when executed by the accessing machine, causes the accessing

3 machine to select entries to store without a priori knowledge as to a number of entries within the

4 index file.